

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- REVISED

PERMITTEE

American Ideal Cleaning Company  
Attn: Kerry Kohn  
10351 South Michigan  
Chicago, Illinois 60628

Application No.: 04010003

I.D. No.: 031600ALV

Applicant's Designation:

Date Received: October 12, 2004

Subject: Petroleum Dry Cleaning

Date Issued: December 3, 2004

Expiration Date: May 3, 2009

Location: 10351 South Michigan, Chicago, 60628

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of two petroleum dry cleaning machines (2 washers and 2 dryers), one washer, two dryers, one storage tank, one boiler and a muck stripper pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons/year of volatile organic material (VOM)). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to initial issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. Emissions and operation of the petroleum dry cleaning equipment (i.e., washers, dryers, muck stripper and storage tank) shall not exceed the following limits:

<u>Petroleum Solvent Usage</u>		<u>Volatile Organic Material (VOM) Emissions</u>	
<u>(Gallons/Month)</u>	<u>(Gallons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
747	7,465	2.4	24

These limits are based on 100% VOM content of solvent and includes the emission limit of 19 tons/year from the two washers and two dryers constructed pursuant to permit 04100045, maximum operating rate and a solvent density of 6.43 lb/gal. Compliance shall be determined from a running total of the previous 12 months data.

3. At all times, the Permittee shall maintain and operate the dry cleaning machines in a manner consistent with good air pollution control practice for minimizing emissions.
4. The petroleum dry cleaning machines are exempt from Title 35, Subpart Z for Dry Cleaners pursuant to 35 Ill. Adm. Code 218.611 for petroleum dry cleaning facilities with potential emissions of less than 25 tons per year of VOM.

5. Emissions and operation of the boiler shall not exceed the following limits:

Natural Gas Usage		NO <sub>x</sub>		CO		VOM	
(mmscf/Mo)	(mmscf/Yr)	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)
1	10	0.05	0.5	0.04	0.42	0.003	0.03

These limits are based on standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- 6a. The 2 petroleum dry-to-dry cleaning machines constructed after December 14, 1982 are subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and JJJ. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Each affected petroleum solvent dry cleaning dryer that is installed at a petroleum dry cleaning plant after December 14, 1982, shall be a solvent recovery dryer. The solvent recovery dryer(s) shall be properly installed, operated, and maintained (40 CFR 60.622).
- c. Each affected petroleum solvent filter that is installed at a petroleum dry cleaning plant after December 14, 1982, shall be a cartridge filter. Cartridge filters shall be drained in their sealed housings for at least 8 hours prior to their removal (40 CFR 60.622).
- d. The solvent recovery cycle shall continue until the flow rate of recovered solvent from the solvent recovery dryer is no greater than 0.05 liters per minute (40 CFR 60.624).
- e. At all times the Permittee shall also maintain and operate the petroleum dry cleaning plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to NSPS, 40 CFR 60.11(d).
- f. The Illinois EPA waives the requirement for a performance test of the new petroleum dry cleaning machine because the owner or operator of the source has demonstrated by other means to the Illinois EPA's satisfaction that the machine is in compliance with the standard [40 CFR 60.68(b)(4)].
7. The Permittee shall maintain monthly records of the following items:
  - a. Petroleum solvent usage (gallons/month and gallons/year).

- b. Natural gas combustion (mmscf/month and mmscf/year).
8. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
9. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
10. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

If you have any questions on this, please call Randy Solomon at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:RBS:psj

cc: Illinois EPA, FOS Region 1  
Illinois EPA, Compliance Section  
Lotus Notes

### Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the petroleum dry cleaning operation operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is handling 24 tons/year of petroleum solvent. The resulting maximum emissions are below the levels, e.g., 25 tons/year of VOM at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

<u>Emission Unit</u>	<u>Emissions (Tons/Year)</u>		
	<u>CO</u>	<u>NO<sub>x</sub></u>	<u>VOM</u>
Dry Cleaning			24.00
Boiler	<u>0.42</u>	<u>0.5</u>	<u>0.03</u>
Totals:	0.42	0.5	24.03

RBS:psj